Refine Search

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

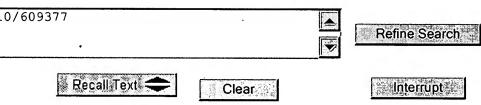
The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

Terms	Documents
L11 and ((total\$ or integra\$ or add\$ or sum\$) with (distance\$ length\$ or section or segment)) and ((wheel near2 size) with (distance or length) with (revolution or rotat\$))	8

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:



Search History

DATE: Friday, June 01, 2007 Purge Queries Printable Copy Create Case

Set
Name
side
by
side

Hit Count Name result set

```
DB=PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD;
THES=ASSIGNEE; PLUR=YES; OP=OR
      L11 and ((total$ or integra$ or add$ or sum$) with
      (distance$ length$ or section or segment)) and ((wheel
L13
                                                                8 L13
      near2 size) with (distance or length) with (revolution or
      rotat$))
      L11 and ((total$ or integra$ or add$ or sum$) with
      (distance$ length$ or section or segment)) ((wheel near2
L12
                                                               78 L12
      size) with (distance or length) with (revolution or
      rotat$))
L11 17 or 18 or 19 or 110
                                                              100 L11
  DB=PGPB, USPT; THES=ASSIGNEE; PLUR=YES; OP=OR
      (6434466 | 5533695 | 5944768 | 5072900 | 20030093188
      | 6446005 | 20040006411 | 6347265 | 5060890 | 6220987
      | 5791425 | 5803411 | 5751569 | 6102340 | 6081769 |
      4819168 | 6345233 | 6148269 | 5931882 | 5995881 |
      6456937 | 6360165 | 5177685 | 20010054310 | 5620155 |
      5950966 | 4179739 | 5452870 | 6397147 | 6311109 |
      4561057 | 5828979 | 6487478 | 5340062 | 6374184 |
L10 5947423 | 5699986 | 5796613 | 6230083 | 5740547 |
                                                               73 L10
      6377877 | 4181943 | 6701228 | 6381536 | 6135396
      5794730 | 6218961 | 4208717 | 5149025 | 6401036
      5394333 | 5129605 | 6179252 | 5908466 | 6459965 |
      5247338 | 6373403 | 5398894 | 4459668 | 6459964 |
      5978718 | 4711418 | 6371416 | 20030036847 | 5971091 |
      6421587 | 6611755 | 20030163255 | 5364047 | 6322025 |
      6049745 | 5867122 | 5332180)![PN]
  DB=PGPB, USPT, USOC, DWPI; THES=ASSIGNEE; PLUR=YES;
OP = OR
      ("20040006411"| "20040181320"| "20070095988"|
      "20070112482"| "20030225490"| "6701228"|
 <u>L9</u>
                                                               21 L9
      "6970774"| "2865323"| "RE24923"| "2608922"|
      "1985433"| "US20040006411A")[ABPN1,NRPN,PN]
  DB=PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD;
THES=ASSIGNEE; PLUR=YES; OP=OR
 L8 16
                                                                  L8
                                                               12
```

DB	=PGPB, USPT, USOC, DWPI; THES=ASSIGNEE; PLUR=YES	S;	
OP = C			
	("20040006411" "20040181320" "20070095988" "20070112482" "20030225490" "6701228" "6970774" "2865323" "RE24923" "2608922" "1985433" "US20040006411A")[URPN]	9	<u>L7</u>
	=PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD;		
THES	S=ASSIGNEE; PLUR=YES; OP=OR		
<u>L6</u>	((wheel near2 size) with (distance or length) with (revolution or rotat\$)) and (locomotive or train) and ((total\$ or integra\$ or add\$ or sum\$) same (distance\$ length\$ or section or segment))	12	<u>L6</u>
<u>L5</u>	L4 and (locomotive or train) and ((total\$ or integra\$ or add\$ or sum\$) same (distance\$ length\$ or section or segment))	0	<u>L5</u>
DB	=PGPB, USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
<u>L4</u>	((wheel near2 size) with (distance or length) with (revolution or rotat\$)) and @pd<=20020521	44	<u>L4</u>
<u>L3</u>	L1 and (locomotive or train) and ((total\$ or integra\$ or add\$ or sum\$) same (distance\$ length\$ or section or segment))	2	<u>L3</u>
<u>L2</u>	L1 and (locomotive or train) and ((total\$ or sum\$) with (distance or section or segment))	0	<u>L2</u>
<u>L1</u>	((wheel near2 size) with (distance or length) with (revolution or rotat\$)) and @ad<=20020521	48	<u>L1</u>

END OF SEARCH HISTORY

Hit List

First Hit Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 10 of 12 returned.

1. Document ID: US 20070112482 A1

L6: Entry 1 of 12

File: PGPB

May 17, 2007

PGPUB-DOCUMENT-NUMBER: 20070112482

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070112482 A1

TITLE: METHOD AND SYSTEM FOR COMPENSATING FOR WHEEL WEAR ON A TRAIN

PUBLICATION-DATE: May 17, 2007

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY KANE; Mark Edward Orange Park US FLSHOCKLEY; James Francis Orange Park FLUS HICKENLOOPER; Harrison Thomas Palatka FLUS

US-CL-CURRENT: 701/19

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw D

Document ID: US 20070095988 A1

L6: Entry 2 of 12

File: PGPB

May 3, 2007

PGPUB-DOCUMENT-NUMBER: 20070095988

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070095988 A1

TITLE: Method and System for Compensating for Wheel Wear on a Train

PUBLICATION-DATE: May 3, 2007

Record List Display Page 2 of 5

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Kane; Mark Edward Orange Park FL US Shockley; James Francis Orange Park FL US Hickenlooper; Harrison Thomas Palatka FL US

US-CL-CURRENT: 246/182R

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. D

□ 3. Document ID: US 20040181320 A1

L6: Entry 3 of 12

File: PGPB

Sep 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040181320

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040181320 A1

TITLE: Method and system for compensating for wheel wear on a train

PUBLICATION-DATE: September 16, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Kane, Mark Edward Orange Park FL US Shockley, James Francis Orange Park FL US Hickenlooper, Harrison Thomas Palatka FL US

US-CL-CURRENT: <u>701/19</u>; <u>701/1</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. D

□ 4. Document ID: US 20040006411 A1

L6: Entry 4 of 12

File: PGPB

Jan 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040006411

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040006411 A1

TITLE: Method and system for compensating for wheel wear on a train

PUBLICATION-DATE: January 8, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Kane, Mark Edward Orange Park FL US Shockley, James Francis Orange Park FL US Record List Display

Page 3 of 5

Hickenlooper, Harrison Thomas

Palatka

FL

US

US-CL-CURRENT: 701/1

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw D

5. Document ID: US 20030225490 A1

L6: Entry 5 of 12

File: PGPB

Dec 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030225490

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030225490 A1

TITLE: Method and system for compensating for wheel wear on a train

PUBLICATION-DATE: December 4, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Kane, Mark Edward Orange Park FL US Shockley, James Francis Orange Park FL US Hickenlooper, Harrison Thomas Palatka FL US

US-CL-CURRENT: 701/19; 702/85

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. D

□ 6. Document ID: US 6970774 B2

L6: Entry 6 of 12

File: USPT

Nov 29, 2005

US-PAT-NO: 6970774

DOCUMENT-IDENTIFIER: US 6970774 B2

TITLE: Method and system for compensating for wheel wear on a train

Full Title Citation Front Review Classification Date Reference Sequences Attechments Claims KMC Draw. D

□ 7. Document ID: US 6701228 B2

L6: Entry 7 of 12

File: USPT

Mar 2, 2004

US-PAT-NO: 6701228

DOCUMENT-IDENTIFIER: US 6701228 B2

TITLE: Method and system for compensating for wheel wear on a train

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KiMC Draw D

8. Document ID: BR 200412083 A, US 20040006411 A1, WO 2005005222 A2, MX 2005014041 A1

L6: Entry 8 of 12

File: DWPI

Sep 5, 2006

DERWENT-ACC-NO: 2004-070975

DERWENT-WEEK: 200660

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TITLE: <u>Train wheel size</u> determining method, involves determining linear <u>distance</u> traveled by <u>train</u>, and calculating <u>wheel size</u> based on <u>total distance and total</u> number of wheel <u>revolutions</u> occurring during determining steps

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw D

□ 9. Document ID: US RE24923 E

L6: Entry 9 of 12

File: USOC

Jan 17, 1961

US-PAT-NO: RE24923

DOCUMENT-IDENTIFIER: US RE24923 E

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: January 17, 1961

INVENTOR-NAME: Name not available

US-CL-CURRENT: <u>118/314</u>; <u>118/325</u>, <u>118/326</u>, <u>118/DIG.21</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw. D

□ 10. Document ID: US 2865323 A

L6: Entry 10 of 12

File: USOC

Dec 23, 1958

US-PAT-NO: 2865323

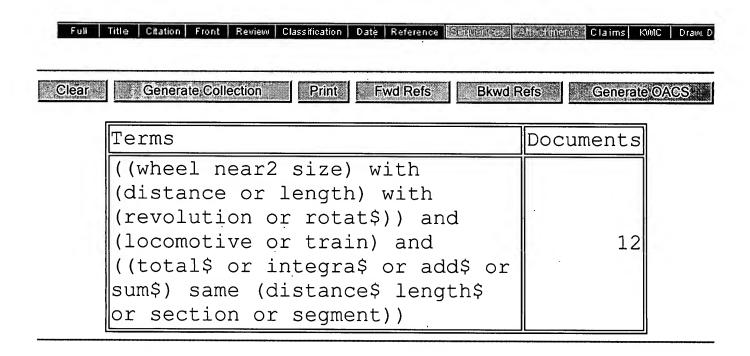
DOCUMENT-IDENTIFIER: US 2865323 A

TITLE: Color coding apparatus

DATE-ISSUED: December 23, 1958

INVENTOR-NAME: HOFF WILBUR L

US-CL-CURRENT: <u>118/314</u>; <u>118/325</u>, <u>118/326</u>, <u>118/DIG.21</u>



Display Format: - Change Format

Previous Page Next Page Go to Doc#

First Hit Previous Doc Next Doc Go to Doc#

End of Result Set

Generate Collection Print

L13: Entry 8 of 8

File: DWPI

Sep 5, 2006

DERWENT-ACC-NO: 2004-070975

DERWENT-WEEK: 200660

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TITLE: <u>Train wheel size</u> determining method, involves determining linear <u>distance</u> traveled by <u>train</u>, and calculating <u>wheel size</u> based on <u>total distance and total</u> number of wheel revolutions occurring during determining steps

INVENTOR: HICKENLOOPER, H T; KANE, M E; SHOCKLEY, J F

PATENT-ASSIGNEE: QUANTUM ENG INC (QUANN), HICKENLOOPER H T (HICKI), KANE M E (KANEI), SHOCKLEY J F (SHOCI)

PRIORITY-DATA: 2003US-0609377 (July 1, 2003), 2002US-0157874 (May 31, 2002)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
BR 200412083 A	September 5, 2006		000	G05D001/06
US 20040006411 A1	January 8, 2004		010	G06F007/00
WO 2005005222 A2	January 20, 2005	E	000	B61L000/00
MX 2005014041 A1	April 1, 2006		000	G05D001/06

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
BR 200412083A	July 1, 2004	2004BR-0012083	
BR 200412083A	July 1, 2004	2004WO-US20991	
BR 200412083A		WO2005005222	Based on
US20040006411A1	May 31, 2002	2002US-0157874	CIP of
US20040006411A1	July 1, 2003	2003US-0609377	
WO2005005222A2	July 1, 2004	2004WO-US20991	
MX2005014041A1	July 1, 2004	2004WO-US20991	

Based on

MX2005014041A1

December 20, 2005

2005MX-0014041

MX2005014041A1

W02005005222

INT-CL (IPC): B61L 0/00; G05D 1/06; G06F 7/00

RELATED-ACC-NO: 2004-034003;2004-675681

ABSTRACTED-PUB-NO: US20040006411A

BASIC-ABSTRACT:

NOVELTY - The method involves determining a linear <u>distance</u> traveled by a <u>train</u> during a time period by calculating a difference in positions reported by a positioning system located on the <u>train</u> at start and end of periods. The <u>distance</u> from determining steps are <u>added</u> to form a <u>total distance</u>. A <u>wheel size</u> is calculated based on the <u>total distance and a total</u> number of wheel <u>revolutions</u> occurring during each determining step.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a system for determining a size of a train wheel
- (b) a method for supplying a corrected wheel sensor signal.

USE - Used for determining size of a wheel on a train.

ADVANTAGE - The method is performed periodically to correct for changes in wheel size over time due to wear so that the wheel rotation information can be used to determine <u>train</u> position and speed in the event of a positioning system failure.

DESCRIPTION OF DRAWING(S) - The drawing shows a logical block diagram of a $\underline{\text{train}}$ speed signal distribution system.

Control unit 110

Global positioning system receiver 130

Map database 140

Signal generator 180

Revolution sensor 320

ABSTRACTED-PUB-NO: US20040006411A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.3/5

DERWENT-CLASS: Q21 X23 EPI-CODES: X23-A05;

Previous Doc Next Doc Go to Doc#

Hit List

First Hit Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear Generate Collection Print Fwd Refs Bkwd Refs Bkwd Refs

Search Results - Record(s) 1 through 8 of 8 returned.

1. Document ID: US 20070112482 A1

L13: Entry 1 of 8

File: PGPB

May 17, 2007

PGPUB-DOCUMENT-NUMBER: 20070112482

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070112482 A1

TITLE: METHOD AND SYSTEM FOR COMPENSATING FOR WHEEL WEAR ON A TRAIN

PUBLICATION-DATE: May 17, 2007

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY KANE; Mark Edward Orange Park FL US SHOCKLEY; James Francis Orange Park FLUS HICKENLOOPER: Harrison Thomas Palatka FLUS

US-CL-CURRENT: 701/19

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, D

□ 2. Document ID: US 20070095988 A1

L13: Entry 2 of 8

File: PGPB

May 3, 2007

PGPUB-DOCUMENT-NUMBER: 20070095988

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070095988 A1

TITLE: Method and System for Compensating for Wheel Wear on a Train

PUBLICATION-DATE: May 3, 2007

Record List Display Page 2 of 4

INVENTOR-INFORMATION:

· NAME CITY STATE COUNTRY

Kane; Mark Edward Orange Park FL US Shockley; James Francis Orange Park FL US Hickenlooper; Harrison Thomas Palatka FL US

US-CL-CURRENT: 246/182R

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawt D
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☐ 3. Document ID: US 20040181320 A1

L13: Entry 3 of 8

File: PGPB

Sep 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040181320

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040181320 A1

TITLE: Method and system for compensating for wheel wear on a train

PUBLICATION-DATE: September 16, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Kane, Mark Edward Orange Park FL US
Shockley, James Francis Orange Park FL US
Hickenlooper, Harrison Thomas Palatka FL US

US-CL-CURRENT: <u>701/19</u>; 701/1

Full	Title	Citation	Front	Review	Classification	Date Reference	Sequences	Attachments	Claims	KOMC	Draw, D
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□ 4. Document ID: US 20040006411 A1

L13: Entry 4 of 8

File: PGPB

Jan 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040006411

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040006411 A1

TITLE: Method and system for compensating for wheel wear on a train

PUBLICATION-DATE: January 8, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Kane, Mark Edward Orange Park FL US Shockley, James Francis Orange Park FL US

Record List Display Page 3 of 4

Hickenlooper, Harrison Thomas

Palatka

FL

US

US-CL-CURRENT: 701/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
						-1119						

5. Document ID: US 20030225490 A1

L13: Entry 5 of 8

File: PGPB

Dec 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030225490

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030225490 A1

TITLE: Method and system for compensating for wheel wear on a train

PUBLICATION-DATE: December 4, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Kane, Mark Edward Orange Park FL US Shockley, James Francis Orange Park FL US Hickenlooper, Harrison Thomas Palatka FL US

US-CL-CURRENT: 701/19; 702/85

	Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, D
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☐ 6. Document ID: US 6970774 B2

L13: Entry 6 of 8

File: USPT

Nov 29, 2005

US-PAT-NO: <u>6970774</u>

DOCUMENT-IDENTIFIER: US 6970774 B2

TITLE: Method and system for compensating for wheel wear on a train

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw D

□ 7. Document ID: US 6701228 B2

L13: Entry 7 of 8

File: USPT

Mar 2, 2004

US-PAT-NO: <u>6701228</u>

DOCUMENT-IDENTIFIER: US 6701228 B2

TITLE: Method and system for compensating for wheel wear on a train



Document ID: BR 200412083 A, US 20040006411 A1, WO 2005005222 A2, MX 2005014041 A1

L13: Entry 8 of 8

File: DWPI

Sep 5, 2006

DERWENT-ACC-NO: 2004-070975

DERWENT-WEEK: 200660

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TITLE: Train wheel size determining method, involves determining linear distance traveled by train, and calculating wheel size based on total distance and total number of wheel <u>revolutions</u> occurring during determining steps

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequ	ences	Attachir	ientà	Claims	KWC	Draw D
Clear		Genera	ite Coll	ection	Print] F	wd Refs		Bkwd	Refs		Gener	ate ©/	\@\$ [
	Те	rms			•					Do	cun	nent	s	
	ad le an	d\$ c ngth d ((r s \$ o whe	um\$) r se el r	al\$ o with ection near2	(d or siz	istar segn e) wi	nces nent	\$				8	
	(r	evol	uti	on c	r rot	at\$))							

Display Format: -Change Format

Previous Page Next Page Go to Doc#

Refine Search

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

Terms	Documents
L1 and (locomotive or train) and ((total\$ or sum\$) with (distance or section or segment))	0

US Pre-Grant Publication Full-Text Database US Patents Full-Text Database

Database:

US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins

Search:

10/609377

Refine Search

Recall Text

Clear

Search History

DATE: Friday, June 01, 2007 Purge Queries Printable Copy Create Case

Set
Name Query
side by
side

Hit Count Name result set

DB=PGPB, USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L1 and (locomotive or train) and ((total\$ or sum\$)
integrate add\$

<u>L2</u>	with (distance or section or segment))	. 0	<u>L2</u>
<u>L1</u>	((wheel near2 size) with (distance or length) with (revolution or rotat\$)) and @ad<=20020521	48	<u>L1</u>
	rev\$		

END OF SEARCH HISTORY

47- 4963122 A 3797332